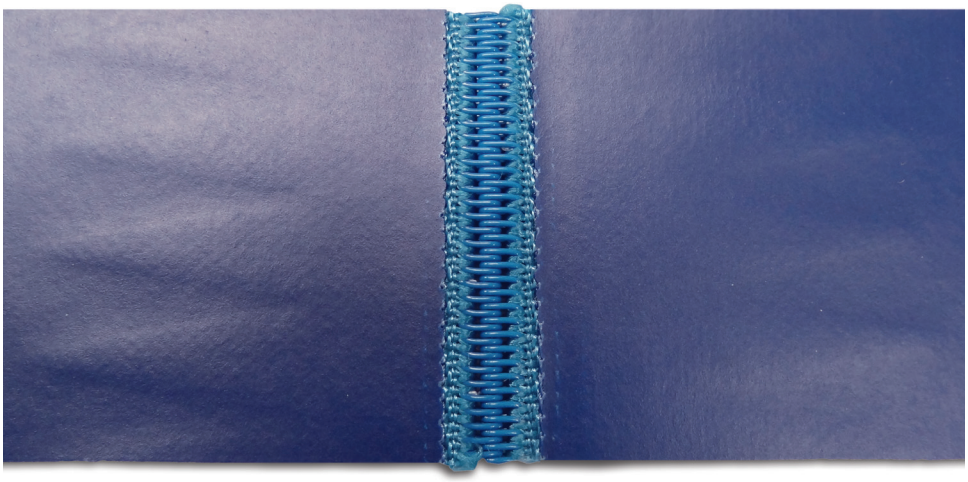
The Habasit
Premier News
02 2012 A Monthly Newsletter for Habasit Distributors



New Mecaflex Lacing

SUCCESS STORY

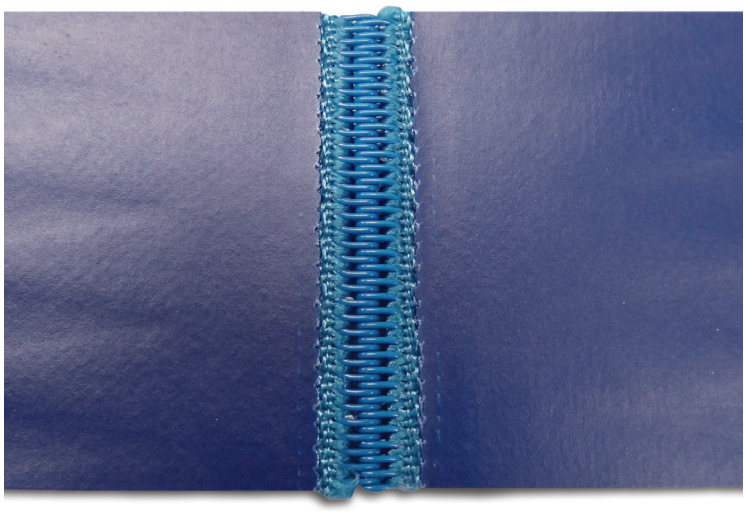
SM605 in Cheese Snack Manufacturing Plant

HabaSYNC® Timing Belts in the Auto Industry

New Mecaflex Lacing

Do your customers comment on the contrast of their white spiral lacing when it is used in a blue belt? Would your customers prefer to have a plastic lacing whose color more closely matches their blue belts?

Habasit is proud to offer a blue plastic spiral lace which satisfies just such a need. Our new blue lacing will not draw attention to the splice as would a white lace when used with a blue belt. For more information, contact your local Habasit Key Account Manager.



CONTENTS

NEW MECAFLEX LACING 2

SUCCESS STORY & DID YOU KNOW? 3

TIMING BELTS IN AUTO INDUSTRY 4

PRODUCT INFORMATION 5

Newsletter Know-how

Welcome to our Newsletter Know-how contest, designed to test your knowledge of the articles within this edition of the Premier News. The first five people to correctly answer the question below will be entered into a chance to win a Habasit golf umbrella at the end of the quarter. E-mail your answer to Habasit America Marketing, along with your full name and company name. Three winners will be announced in the April 2012 edition of the Premier News. Enter the contest every month to increase your odds of winning. Good luck!

Question:

According to this month's HabaSYNC® timing belt article, what is the main reason for the growth of timing belts in the automotive industry?

Success Story

Background

One of the largest snack food companies in the Southeast which makes, sells, and delivers a wide variety of fun and environmentally friendly foods was experiencing problems with their ambient air cooling conveyor on a product line that was especially cheesy.

Problem

They were experiencing a build-up of crumbs from the cheesy product which created difficulty when cleaning the competitor's black polyproplene belt. This particular type of crumb becomes almost like concrete when they get packed in real tight on the line. This made for cleaning the belt extremely hard.

Solution

Habasit believed that a stronger belt was needed for this application and recommended the SM605 in nylon for better heat resistance, which would improve belt life. The crumbs released from the anti-stick nylon belt and it was easier to clean as well. Ease of cleaning was a priority for the End User. If the belt gets clogged up with crumbs, not only does the snack food not get cooled to the target temperature but more of the seasoning is gets picked up onto the food and the seasoning is considered to be the most expensive part of the process. The End User has been very pleased with the solution Habasit offered them.

Did You Know?

The (optimal) initial tension depends on the power to be transmitted, belt speed, operation conditions, belt type and belt width. This means, the initial tension has to be determined for each single application.

For machine series, like spinning frames, the initial tension is usually indicated in the machine service manual. If the initial tension is not known, we recommend that you gather the necessary technical data in order to perform a calculation with our POWER-SeleCalc program.

In case of a replacement from a competitor's product or Habasit Polyamide/Aramid belt to a TC belt, a conversion factor to determine the required initial tension can be determined by contacting Habasit America technical department at 1-800-458-6431.

Habasit strongly advises against tensioning power transmission belts by estimating the tension according to a sense of how the belt feels. In exceptional cases only, when application data is unavailable and installation is a matter of urgency, should such a practice be considered - and then handled only by knowledgeable personnel experienced with the machine in question. Be aware however, that there is a risk that either the belt will not be sufficiently tensioned (slip will appear when starting the motor or after a certain period of time) or the belt has too much tension, which may result in bearing problems, belt overstressing, etc.

Please observe the following approximate initial tension if no exact indications are available at all:

		Initial tension (%)		
Traction layer	**Belt range**	**min.**	**average**	**max.**
Polyamide (PA)	S-, A-	0.5	1.5 - 2.5	3.0
Polyester (PET)	TC, TCF	0.3	1.0 - 2.0	2.5
Aramid	TF	0.2	0.5 - 0.8	1.0

HabaSYNC® Focus - Automotive Industry

Background

Recently there has been an increase in the use of timing belts for conveying applications in the automotive industry due to the growth of robots replacing labor.

Pic and place robotic systems and line automation are used to direct products throughout the component manufacturing and parts assembly process.

Multiple timing belts are used to move product that straddles across a wide conveyor footprint.

There are numerous opportunities across the country to target TPU timing belts.

What benefits do HabaSYNC® timing belts offer the automotive industry?

- They offer accurate position, meaning precise product placement
- TPU offers both abrasion and oil resistance
- High strength cords mean no stretch
- Common pitches for conveying in automotive include: T10, H, AT10
- Covers added to assist in product movement
- Modifications made for vacuum conveyors

Areas of application focus:

- Applications for HabaSYNC® used within this industry are commonly found in conveying; stamping operations and component parts manufacturing and assembly.
- Timing belts are also used on parts lifting mechanisms.
- Timing belts are growing in use on automated tire making lines moving raw rubber totes and finished products.

Who are the target customers?

- Automobile and truck manufactures and their supply partners who stamp metals for automobile assembly.
- Manufacturers of conveyor systems, including magnetic conveyors and sheet de-stacking equipment.
- Metal stamping machinery OEMs
- Tire machinery conveying OEMs
- Tire manufacturing sites

Click here for more information on HabaSYNC® timing belts in the automotive industry.

Habasit Web Links

Habasit America -
Power transmission & conveyor belts
www.habasitamerica.com

HabasitLINK® / KVP® -
Plastic modular belting
www.plasticmodularbelts.com

HabaSYNC® -
Timing belts
www.habasync.com

Habasit America -
Seamless belts
www.seamlessbelts.com

HabaCHAIN® -
Chain belts
www.habachain.com

Rossi Gear Motors -
Gear reducers & gear motors
www.rossi-group.com

Literature

Literature Now Available on www.habasitamerica.com
2010 - Toboacco Industry Brochure
2020 - Printing and Paper Brochure
2044US - Material Handling Brochure
2130 - Hamid Joining Kit Flyer
4051 - Habasit Profiles Brochure
4107 - HabaSYNC® Timing Belts Brochure
4228 - HyCLEAN Brochure
4238 - Cleandrive Brochure
4300 - Energy Savings Flyer
4236US - Rossi Gearmotors Product Overview
6031 - HabasitLINK® Engineering Guide
6039 - Fabric Belts Engineering Guide
6040 - Fabric Belts Installation & Maintenance Guide
6035 - Fabrication Capabilities Brochure

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